

Title (en)
Vehicle, especially railway vehicle

Title (de)
Fahrzeug, insbesondere Schienenfahrzeug

Title (fr)
Véhicule, notamment véhicule ferroviaire

Publication
EP 0963895 B1 20031119 (DE)

Application
EP 99110523 A 19990601

Priority
AT 100298 A 19980610

Abstract (en)
[origin: EP0963895A2] The vehicle has a cooling system for at least one drive motor (6) and an air conditioning system for the passenger compartment. The cooler in the cooling system and the condenser and evaporator in the air conditioning system are mounted on or in a common chamber (3) on the roof of the vehicle (1). The cooler has one or more individual cooling elements (5) carrying a coolant flow mounted near the chamber walls, pref. the side walls, and exposed to a cooling air flow.

IPC 1-7
B61C 17/00; **B61D 27/00**

IPC 8 full level
B60H 1/00 (2006.01); **B61C 3/00** (2006.01); **B61C 17/00** (2006.01); **B61C 17/04** (2006.01); **B61D 27/00** (2006.01)

CPC (source: EP)
B60H 1/00371 (2013.01); **B61C 3/00** (2013.01); **B61C 17/04** (2013.01); **B61D 27/0018** (2013.01); **B60H 2001/00235** (2013.01)

Cited by
DE102005002199A1; RU196266U1; CN105873778A; RU2643860C2; US10006684B2; US10245916B2; US11448441B2; EP2889199A1; FR3014396A1; WO2016038125A1; WO2016169762A1; WO2015065495A1; WO2007054054A3; WO2009092339A1; WO2013037335A1; US10589598B2; US10099533B2; US10369863B2; US10724772B2; US9796239B2; US10414243B2; US10675948B2; US11241939B2; US11712946B2; US10562372B2; US11420496B2; US11919364B2; US10081226B2; US10435041B2; US10703173B2; US11479086B2; US9874384B2; US10527332B2; US9783024B2; US9840130B2; US10427496B2; US10967709B2; US11780292B2

Designated contracting state (EPC)
AT CH DE FR IT LI

DOCDB simple family (publication)
EP 0963895 A2 19991215; **EP 0963895 A3 20010822**; **EP 0963895 B1 20031119**; AT 406363 B 20000425; AT A100298 A 19990915; AT E254555 T1 20031215; DE 59907768 D1 20031224

DOCDB simple family (application)
EP 99110523 A 19990601; AT 100298 A 19980610; AT 99110523 T 19990601; DE 59907768 T 19990601